



Digital Radio Frequency Tags (DRaFT)

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BAA Released: 19 March 99

Bidders Briefing: 1 April 99

Proposals Due: 23 April 99 (1530 EDT)

Proposal Review Begins: 26 April 99

Proposal Review Complete: 30 April 99

Procurement Process Begins: 5 May 99

Contracts (approx 3 FA) Awarded:



Proposal Structure

(Technical)



- Basic: Start to Preliminary Design Review (PDR),
Up to 6 months, Up to 3 Contractors.**
- Opt 1: PDR to Critical Design Review (CDR),
Up to 11 Months, Up to 2 Contractors**
- Opt 2: CDR to FDR to Prototype, Up to 29 Months,
Up to 2 Contractors, (*Construction of a Brassboard, testing of a brassboard, and construction of a prototype*)**



Proposal Structure (Cont.) (Technical)



- **Anticipated Engineering Change Proposal (ECP) Tasks**
 - Incorporate Discoverer II Architecture
 - Additional Field Testing and Demonstrations
 - Risk Reduction
- **Limited to 75 Pages Maximum**
- **Follow the Format in the PIP**
- **Must Address all Technical Issues (i.e. Antennas, processing, DRFM, etc.)**
- **Approach to Risk Reduction (will begin after PDR during Option 1) by ECP.**



Proposal Structure

(Cost)



- Follow the Format in the PIP**
- Keep the Proposal as Simple as Possible**
 - Correlate Costs to Statement of Work (SOW) Task Structure and the Work Breakdown Structure (WBS)
 - The Plan is to Award the Proposals as Written and Costed, however if Changes to the Proposal(s) is(are) required the Government Needs to Estimate the Cost impact.
 - Cost Realism will be used as an Evaluation Criterion Only in Proposals Which Have Significantly Over or Under Estimated the Cost



Proposal Review Guidelines



– Overall Scientific and Technical Merit

- Include MTI and SAR
- Tag/Platform Trade
- Minimal Number of Tag Designs to Accommodate the 4 Mission Areas
- Encoding and Decoding
 - LPI/LPE/LPD
 - Minimize Platform Impact
- Frequency Scaling



Proposal Review Guidelines (Continued)



- **Potential Contributions / Relevance to DARPA and DoD**
 - Quantum Leap in Improvement of Digital RF Memory Technology (DRFM)
 - Risk Reduction
 - Testing and Demonstration
 - Four Mission Areas
- **Capabilities and Experience (*Total Team*)**
- **Plans and Capability to Accomplish Technology Transfer**
 - Military and Civilian
 - Minimize Production Costs
- **Total Cost and Cost Realism**



Summary



- Cost Plus Fixed Fee Anticipated**
- Questions Must be Submitted in Writing.
Answers will be and Posted on the Web**
- Government Personnel will Review
Proposals and Make Selections**
 - SRS Technologies, Inc. Is the SETA
 - JHU/APL May Participate in the Review for the Purpose of Advising the Government. If JHU/APL Participates, the Government will Modify the BAA to Reflect JHU/APL's Participation